e-cloud contributions suggested to LBNL (&SLAC?) in the US LARP

(1) SPS benchmarking with POSINST

- e- energy spectrum with field & w/o field during conditioning
- spatial distributions of electrons - structure in the field-free case?
- differences between room & cryogenic temperature
- POSINST vs .ECLOUD comparisons

(2) interaction of microwaves with e- cloud & residual gas

- e.g., experiments by F. Caspers and T. Kroyer

(3) develop a common understanding of low-energy reflection

- possibly as LBNL-SLAC collaboration
- might include measurements at SLAC (E. Garwin, R. Kirby)

(4) photon diffuse & back scattering from sawtooth surface

- measurements at the ALS
- resolve apparent discrepancy between Novosibirsk & ELETTRA

(5) long-term emittance growth & instability issues